



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Stephen R. Gilbert et al.

Art Unit : 1762

Serial No. : 09/925,223

Examiner : Meeks, Timothy H.

Filed : August 8, 2001

Title : FORMING FERROELECTRIC $\text{PB}(\text{ZR}, \text{TI})\text{O}_3$ FILMS

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

#6/a
Meeks
7/13
RECEIVED
JUL 15 2003
GROUP 1700

RESPONSE

In response to the Examiner's action dated April 9, 2003, please amend the application as follows. The amendments are presented below in clean form (i.e., without markings that indicate the changes that have been made); marked-up versions of the amendments are presented in the attached appendix.

In the claims:

1. (Amended) A method of forming a ferroelectric PZT film on a substrate, comprising:

a1 metering from a liquid source a selected quantity of a premixed liquid source reagent solution comprising a mixture of a lead precursor, a titanium precursor and a zirconium precursor in a solvent medium;

vaporizing the metered source reagent solution to form a precursor vapor; and
introducing the precursor vapor into a chemical vapor deposition chamber containing the substrate.

a2 9. (Amended) The method of claim 1, further comprising:
providing a first premixed source reagent solution comprising a mixture of a lead precursor, a titanium precursor and a zirconium precursor in a solvent medium;

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commission for Patents, PO Box 1450, Alexandria, VA 22313-1450 on:

July 7, 2003

Date

(Signature of person mailing papers)

Edouard Garcia

(Typed or printed name of person mailing papers)